

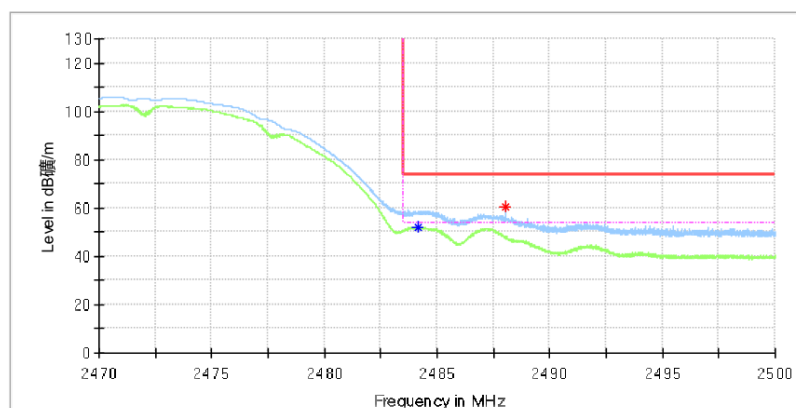
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W64E
TestMode:	Wi-Fi 2.4G 11b_Ch13
TestVoltage::	AC 120V@60Hz
Remark:	Temp 24 Humi:45%
TestStandard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.144118	---	52.17	54.00	1.83	100.0	H	29.0	7.4
2488.026471	60.75	---	74.00	13.25	100.0	H	40.0	7.4

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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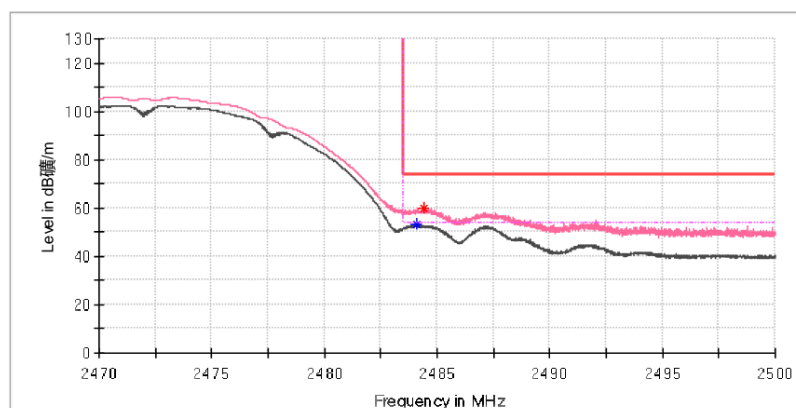
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W64E
TestMode:	Wi-Fi 2.4G 11b_Ch13
TestVoltage::	AC 120V@60Hz
Remark:	Temp 24 Humi:45%
TestStandard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.095588	---	53.03	54.00	0.97	100.0	V	162.0	7.4
2484.439706	59.69	---	74.00	14.31	100.0	V	162.0	7.4

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Wi-Fi 802.11 g mode, 6 Mbps

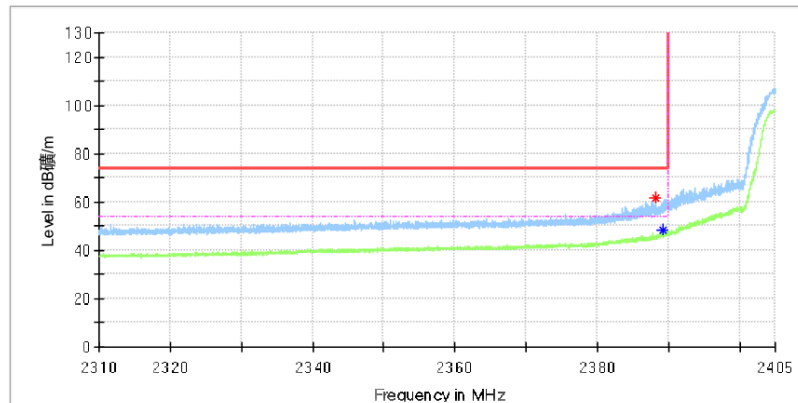
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W64E
Test Mode:	Wi-Fi 2.4G 11g_Ch1
Test Voltage::	AC 120V@60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.207353	61.77	---	74.00	12.23	100.0	H	301.0	7.0
2389.255147	---	48.14	54.00	5.86	100.0	H	301.0	7.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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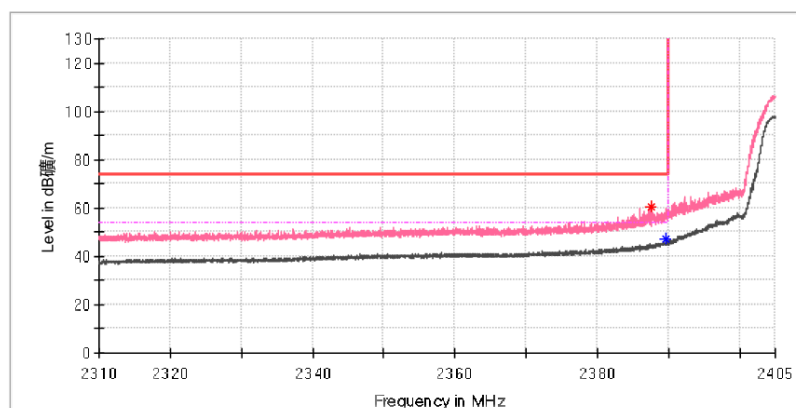
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W64E
TestMode:	Wi-Fi 2.4G 11g_Ch1
TestVoltage::	AC 120V@60Hz
Remark:	Temp 24 Humi:45%
TestStandard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.648529	60.70	---	74.00	13.30	100.0	V	108.0	7.0
2389.646324	---	47.13	54.00	6.87	100.0	V	132.0	7.0

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

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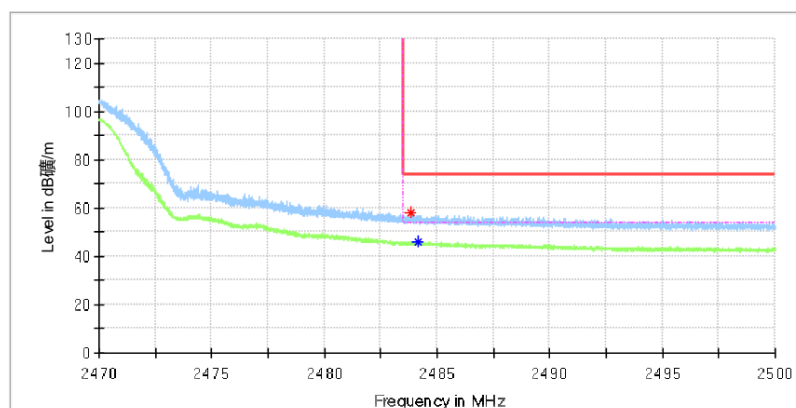
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W64E
TestMode:	Wi-Fi 2.4G 11g_Ch11
TestVoltage::	AC 120V@60Hz
Remark:	Temp 24 Humi:45%
TestStandard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.813235	58.22	---	74.00	15.78	100.0	H	357.0	7.4
2484.188235	---	46.21	54.00	7.79	100.0	H	319.0	7.4

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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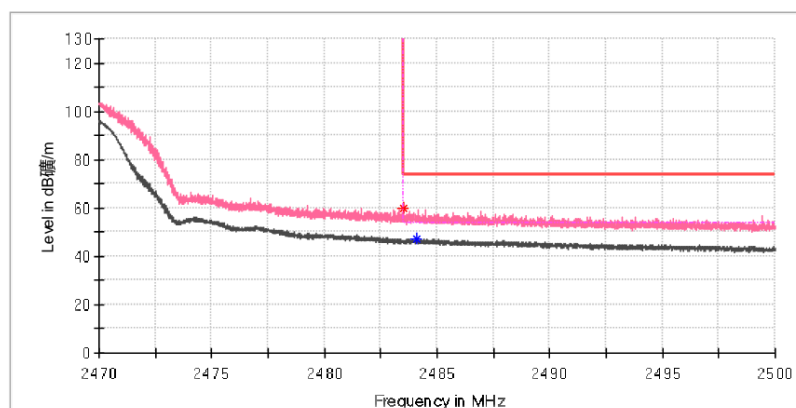
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W64E
TestMode:	Wi-Fi 2.4G 11g_Ch11
TestVoltage::	AC 120V@60Hz
Remark:	Temp 24 Humi:45%
TestStandard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.526471	59.78	---	74.00	14.22	100.0	V	140.0	7.4
2484.091177	---	47.40	54.00	6.60	100.0	V	140.0	7.4

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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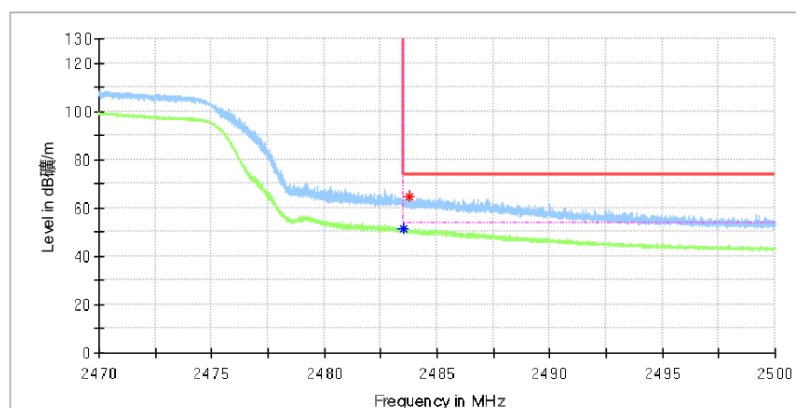
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W64E
TestMode:	Wi-Fi 2.4G 11g_Ch12
TestVoltage::	AC 120V@60Hz
Remark:	Temp 24 Humi:45%
TestStandard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.535294	---	51.62	54.00	2.38	100.0	H	308.0	7.4
2483.755882	64.52	---	74.00	9.48	100.0	H	308.0	7.4

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---	---

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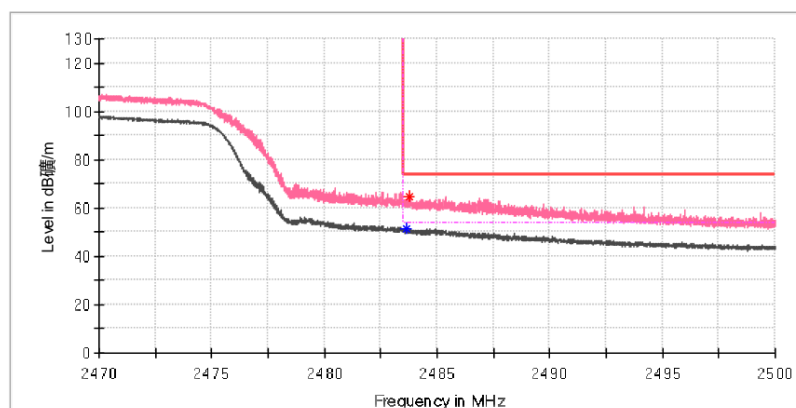
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W64E
TestMode:	Wi-Fi 2.4G 11g_Ch12
TestVoltage::	AC 120V@60Hz
Remark:	Temp 24 Humi:45%
TestStandard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.654412	---	51.40	54.00	2.60	100.0	V	168.0	7.4
2483.773530	64.50	---	74.00	9.50	100.0	V	157.0	7.4

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

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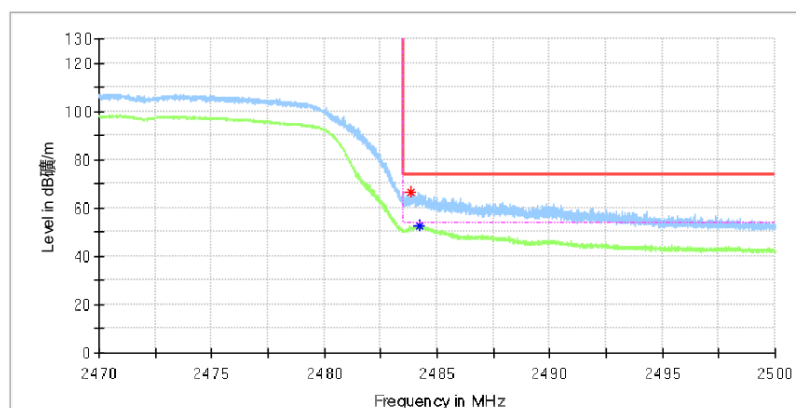
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W64E
TestMode:	Wi-Fi 2.4G 11g_Ch13
TestVoltage::	AC 120V@60Hz
Remark:	Temp 24 Humi:45%
TestStandard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.839706	66.48	---	74.00	7.52	100.0	H	314.0	7.4
2484.227941	---	52.74	54.00	1.26	100.0	H	314.0	7.4

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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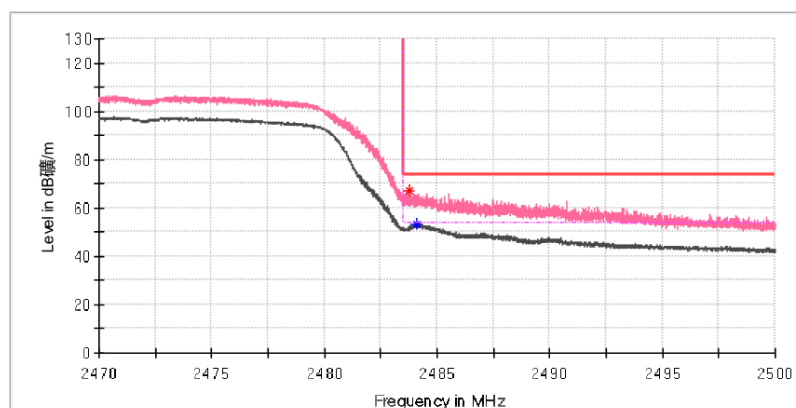
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W64E
TestMode:	Wi-Fi 2.4G 11g_Ch13
TestVoltage::	AC 120V@60Hz
Remark:	Temp 24 Humi:45%
TestStandard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.755882	66.89	---	74.00	7.11	100.0	V	138.0	7.4
2484.126471	---	53.42	54.00	0.58	100.0	V	114.0	7.4

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

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Wi-Fi 802.11 n(HT20) mode, MCS0

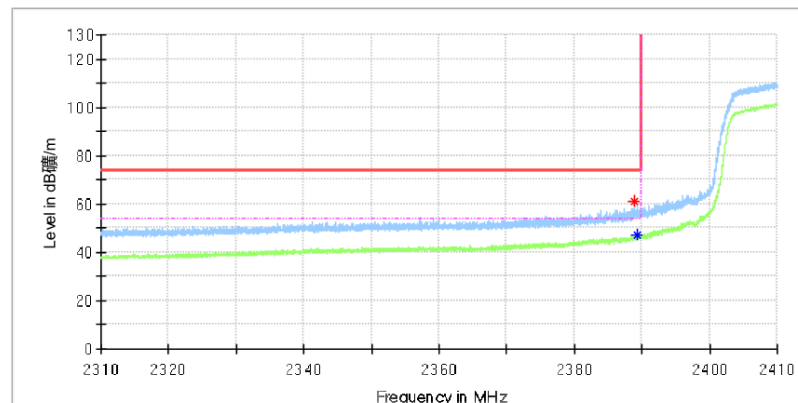
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W64E
TestMode:	Wi-Fi 2.4G 11n_Ch1
TestVoltage::	AC 120V@60Hz
Remark:	Temp 22 Humi:50%
TestStandard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.882353	61.06	---	74.00	12.94	100.0	H	306.0	7.0
2389.323529	---	47.23	54.00	6.77	100.0	H	306.0	7.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---	---

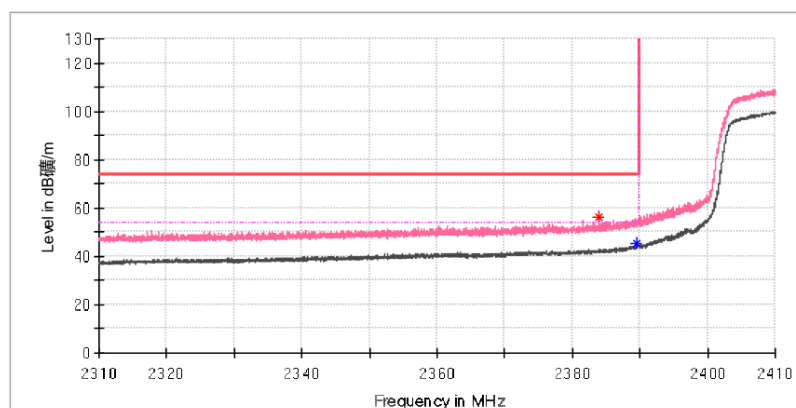
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W64E
TestMode:	Wi-Fi 2.4G 11n_Ch1
Test Voltage::	AC 120V@60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2383.882353	56.53	---	74.00	17.47	100.0	V	238.0	7.0
2389.632353	---	45.17	54.00	8.83	100.0	V	134.0	7.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

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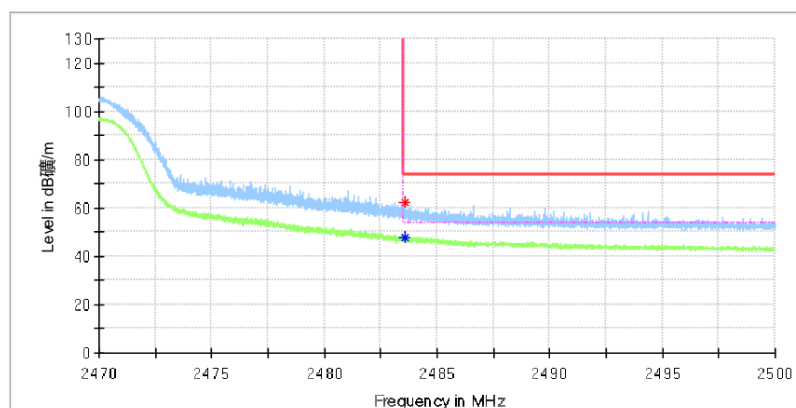
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W64E
TestMode:	Wi-Fi 2.4G 11n_Ch11
TestVoltage::	AC 120V@60Hz
Remark:	Temp 22 Humi:50%
TestStandard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.566177	62.52	---	74.00	11.48	100.0	H	334.0	7.4
2483.579412	---	47.84	54.00	6.16	100.0	H	334.0	7.4

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---	---

20/5/2020

3:29:26 PM

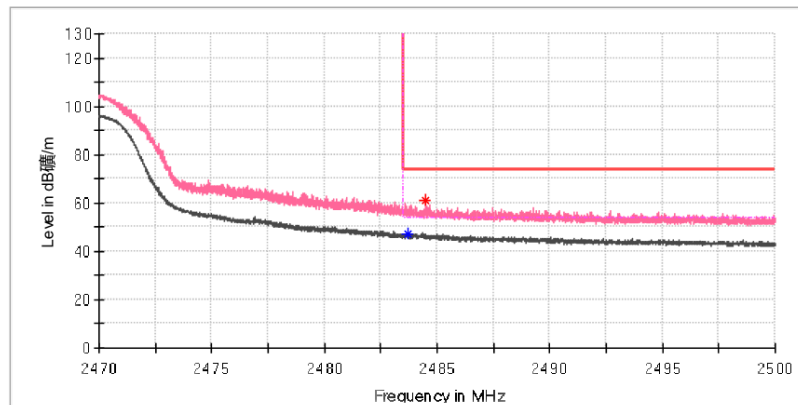
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W64E
TestMode:	Wi-Fi 2.4G 11n_Ch11
TestVoltage::	AC 120V@60Hz
Remark:	Temp 22 Humi:50%
TestStandard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.711765	---	47.11	54.00	6.89	100.0	V	132.0	7.4
2484.470588	61.28	---	74.00	12.72	100.0	V	132.0	7.4

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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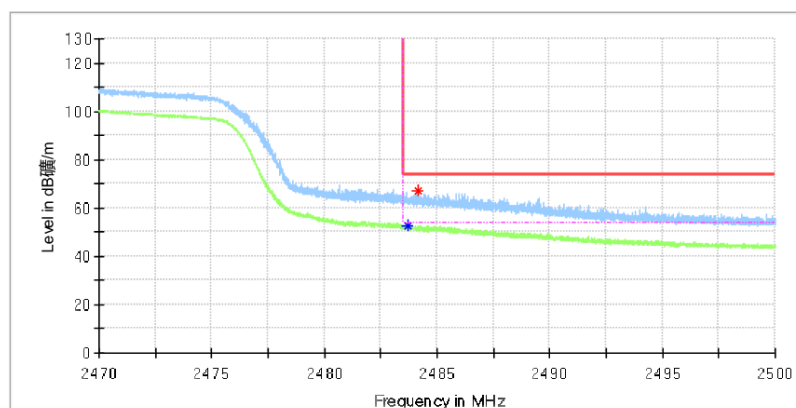
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W64E
TestMode:	Wi-Fi 2.4G 11n_Ch12
TestVoltage::	AC 120V@60Hz
Remark:	Temp 24 Humi:45%
TestStandard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.680882	---	52.85	54.00	1.15	100.0	H	314.0	7.4
2484.157353	66.83	---	74.00	7.17	100.0	H	49.0	7.4

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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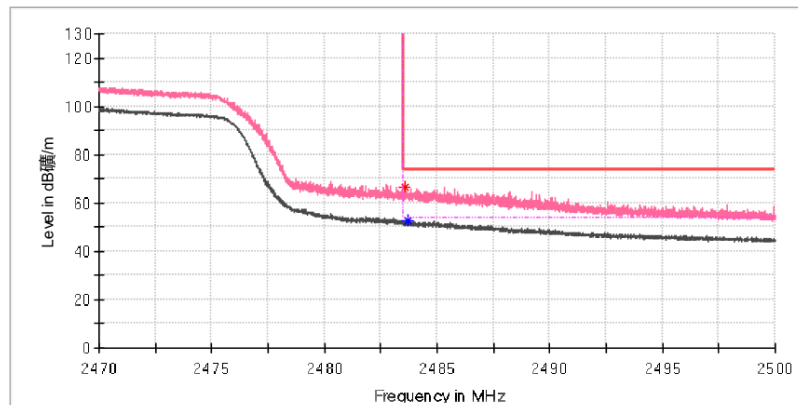
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W64E
TestMode:	Wi-Fi 2.4G 11n_Ch12
TestVoltage::	AC 120V@60Hz
Remark:	Temp 24 Humi:45%
TestStandard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.570588	66.53	---	74.00	7.47	100.0	V	108.0	7.4
2483.720588	---	52.42	54.00	1.58	100.0	V	136.0	7.4

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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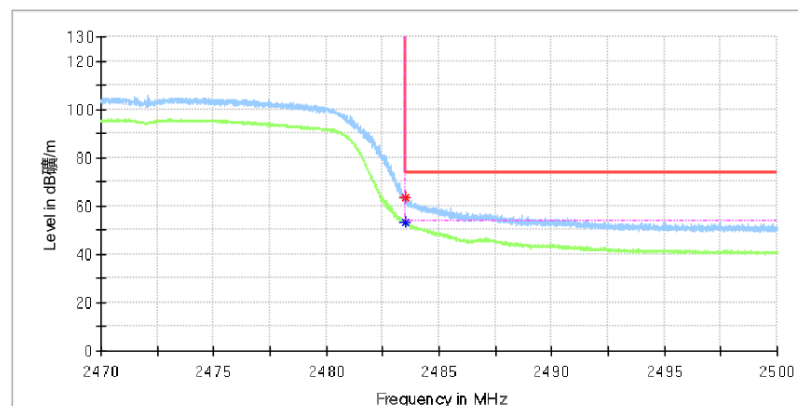
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W64E
TestMode:	Wi-Fi 2.4G 11n_Ch13
Test Voltage::	AC 120V@60Hz
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.535294	63.64	---	74.00	10.36	100.0	H	303.0	7.4
2483.544118	---	53.28	54.00	0.72	100.0	H	291.0	7.4

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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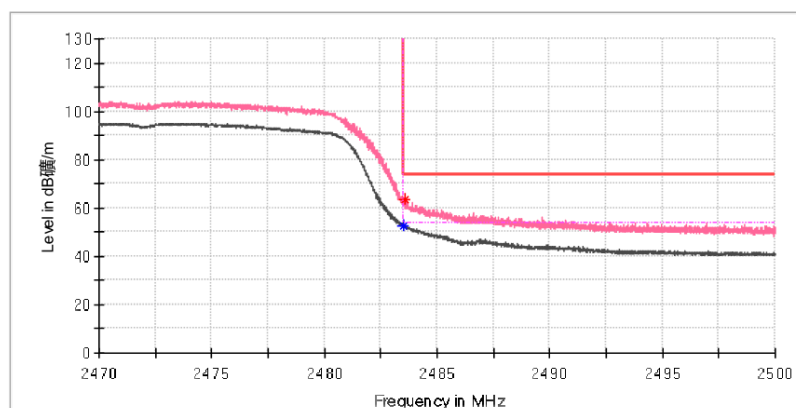
EMI Auto Test(1)

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W64E
TestMode:	Wi-Fi 2.4G 11n_Ch13
TestVoltage::	AC 120V@60Hz
Remark:	Temp 24 Humi:45%
TestStandard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.517647	---	52.81	54.00	1.19	100.0	V	136.0	7.4
2483.557353	63.58	---	74.00	10.42	100.0	V	148.0	7.4

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Appendix B.7: Test Results of Conducted Emission on AC Mains

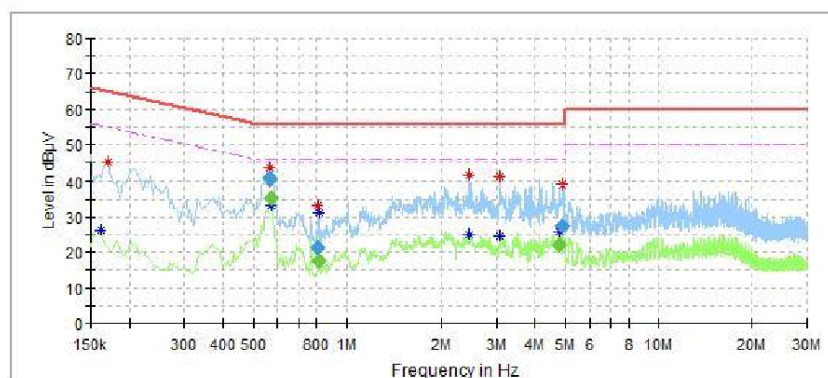
Wi-Fi connecting mode

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Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W64E
Order No:	168264965
Test Mode:	Normal operation mode
Test Voltage:	AC 120V/60Hz
Test By:	Charlie Wang
Review By:	Gary Chen
Remark:	Speaker & Lineout output normal, lineout port with earphone



Critical Freqs

Frequency (MHz)	Max Peak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.162000	---	26.43	55.36	28.93	L1	9.6
0.170000	45.26	---	64.96	19.70	L1	9.6
0.568500	43.57	---	56.00	12.43	L1	9.7
0.572500	---	33.31	46.00	12.69	L1	9.7
0.811500	33.38	---	56.00	22.62	L1	9.7
0.816500	---	31.17	46.00	14.83	L1	9.7
2.456000	---	25.19	46.00	20.81	L1	9.8
2.464000	41.37	---	56.00	14.63	L1	9.8
3.084000	---	24.81	46.00	21.19	L1	9.8
3.084000	40.83	---	56.00	15.17	L1	9.8
4.807500	---	26.01	46.00	19.99	L1	9.9
4.904500	38.92	---	56.00	17.08	L1	9.9

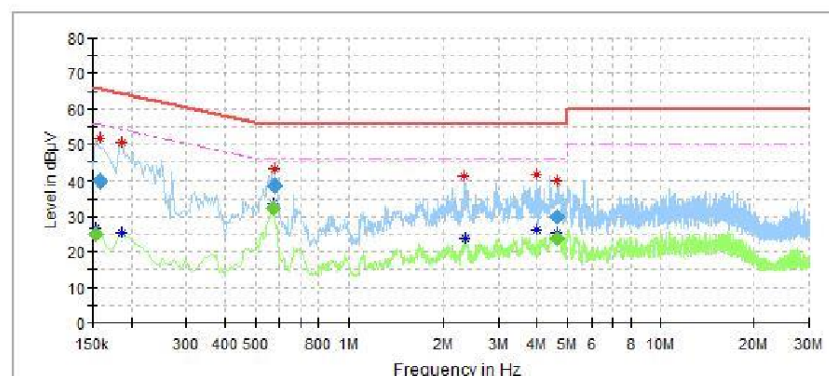
Final Result

Frequency (MHz)	Quasi Peak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.568500	40.81	---	56.00	15.19	200.0	9.000	L1	9.7
0.572500	---	35.31	46.00	10.69	200.0	9.000	L1	9.7
0.811500	21.49	---	56.00	34.51	200.0	9.000	L1	9.7
0.816500	---	17.83	46.00	28.17	200.0	9.000	L1	9.7
4.807500	---	22.02	46.00	23.98	200.0	9.000	L1	9.9
4.904500	27.57	---	56.00	28.43	200.0	9.000	L1	9.9

Test Report

EUT Information

EUT Name:	Digital media receiver
Model:	B7W64E
Order No:	168264965
Test Mode:	Working
Test Voltage:	AC 120V/60Hz
Test By:	Charlie Wang
Review By:	Gary Chen
Remark:	Speaker & Lineout output normal, lineout port with earphone



Critical Freqs

Frequency (MHz)	Max Peak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.153500	---	26.66	55.57	28.90	N	9.6
0.158500	51.74	---	65.78	14.05	N	9.6
0.186000	---	25.31	54.21	28.90	N	9.6
0.186000	50.48	---	64.21	13.73	N	9.6
0.571500	---	33.50	46.00	12.50	N	9.7
0.576500	42.94	---	56.00	13.06	N	9.7
2.336000	40.92	---	56.00	15.08	N	9.7
2.340000	---	23.73	46.00	22.27	N	9.7
3.996000	---	26.06	46.00	19.94	N	9.8
3.996000	41.48	---	56.00	14.52	N	9.8
4.636500	39.82	---	56.00	16.18	N	9.9
4.640500	---	25.64	46.00	20.36	N	9.9

Final Result

Frequency (MHz)	Quasi Peak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.153500	---	25.12	55.81	30.69	200.0	9.000	N	9.6
0.158500	39.74	---	65.54	25.80	200.0	9.000	N	9.6
0.571500	---	32.34	46.00	13.66	200.0	9.000	N	9.7
0.576500	38.38	---	56.00	17.62	200.0	9.000	N	9.7
4.636500	29.94	---	56.00	26.06	200.0	9.000	N	9.9
4.640500	---	23.99	46.00	22.01	200.0	9.000	N	9.9